Jefferson State Community College
Pioneer Pathways: Business & Information Systems
COMPUTER SCIENCE – Cybersecurity (C255)

A.A.S. Degree   **Catalog Year 2023-2024**

First Year – Fall Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 150	Introduction to Computer Logic and Programming	3	All		AAS Major Course
CIS 244	Introduction to Cybersecurity (CER/STC)	3	All		AAS Major Course
CIS 260	Network Security & Risk Management (CER/STC)	3	Fall		AAS Major Course
ENG 101	**English Composition (CER)**	**3**	All		**General Course**
TOTAL	**CREDIT HOURS**	*12*			

First Year – Spring Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 202	Python Programming	3	Fall & Spring	CIS 150	AAS Major Course
CIS 222	Database Management Systems	3	Fall & Spring	CIS 150	AAS Major Course
CIS 246	Ethical Hacking (CER/STC)	3	Spring	CIS 244	AAS Major Course
HED/PED	**HED/PED**	**3**	**All**		**General Course**
TOTAL	**CREDIT HOURS**	*12*			

First Year – Summer Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 211s	Principles of Information Assurance (CER/STC)	3	Summer		AAS Major Course
ASOC	**ASOC Introduction to Psychology (GE)**	**3**	**All**		**General Course**
MTH 100	**Intermediate College Algebra GE (CER)**	**3**	**All**		**General Course**
AHUM	**AHUM Introduction to Philosophy (GE)**	**3**	**All**		**General Course**
TOTAL	**CREDIT HOURS**	*12*			

Second Year – Fall Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 171	Linux I (CER/STC)	3	Fall		AAS Major Course
CIS 245	Cyber Defense (CER)	3	Fall	CIS 244	AAS Major Course
CIS 270	Cisco CCNA I (CER/STC)	3	All		AAS Major Course
CIS 282	Computer Forensics	3	Fall		AAS Major Course
TOTAL	**CREDIT HOURS**	*12*			

Second Year – Spring Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
CIS 207	Web Development	3	Spring		AAS Major Course
CIS 271	Cisco CCNA II	3	Spring	CIS 270	AAS Major Course
ASCI	**ASCI Lab Science Elective GE**	**4**	**All**		**General Course**
SPH 207 or SPH 206	**Fundamentals of Public Speaking or Fundamentals of Oral Communication GE**	**3**	**All**		**General Course**
TOTAL	**CREDIT HOURS**	*13*			

Second Year – Summer Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
TOTAL	**CREDIT HOURS**	*0*			
TOTAL	**DEGREE HOURS**	*61*			

General Courses		(22 hours)
Course	*Title*	*Sem Hrs*
ENG 101	English Composition I	3

SPH 107
    SPH 106
	Fundamentals of Public Speaking or
	    Fundamentals of Oral Communication
		3

MTH 100	Intermediate College Algebra	3
Lab Science Elective: (ASCI)	astronomy, biology, chemistry, physical science, physics	4
Social and Behavioral Science Elective: (ASOC)	anthropology, geography, history, economics, political science, sociology, psychology	3
Humanities and Fine Arts Elective: (AHUM)	art, humanities, religion, theatre, music, philosophy, intermediate foreign language, literature	3
HED or PED Elective		3